

## (12) United States Patent Goren et al.

(10) Patent No.:

US 6,340,483 B1

(45) Date of Patent:

Jan. 22, 2002

ANTIVIRAL COMPOSITION DERIVED FROM ALLIUM CEPA AND THERAPEUTIC **USE THEREOF** 

(75) Inventors: Adolfo Goren, Cordoba (AR); Walter Franklin Goldman, Houston, TX (US);

Zila Trainin, Rehovot (IL); Simon Raul Goldman, Cordoba (AR)

Assignee: Diepon, S.A., Montevideo (UY) (73)

Notice: Subject to any disclaimer, the term of this (\*) patent is extended or adjusted under 35

U.S.C. 154(b) by 0 days.

Appl. No.: 09/631,284 (21)

Filed: Aug. 3, 2000 (22)

(51)Int. Cl.<sup>7</sup> ...... A61K 35/78 (52)U.S. Cl. ...... 424/754; 514/707

(58)Field of Search ...... 424/195.1, 754; 514/934, 707

(56)References Cited

FOREIGN PATENT DOCUMENTS .

0653206 A1 \* 7/1993 EP

0745332 A1 \* 12/1996

OTHER PUBLICATIONS Van Damme et al., Plant Molecular Biology (1993) vol. 23, pp. 365-376.\*

\* cited by examiner

Primary Examiner-Jon P. Weber

Assistant Examiner-Harry J. Guttman

(74) Attorney, Agent, or Firm-Burns, Doane, Swecker & Mathis, L.L.P.

**ABSTRACT** 

Novel medicinal extracts derived from Allium species, preferably Allium cepa are provided. These extracts have broad medicinal properties, especially for treatment of AIDS and other viral infections.

7 Claims, No Drawings

09/06/2002, EAST Version: 1.03.0002

What is claimed is:

1. A method for treating HIV-positive or AIDS patients comprising orally administering an amount of a dehydrated particulate Allium cepa plant material that is processed to provide particles wherein the majority have an average particle size ranging from about 36 to 500 microns, and wherein said dehydrated, particulate plant material is orally administered in an amount to reduce at least one of the clinical symptoms associated with HIV positive or AIDS patients, and further wherein dehydration is effected by heating;

wherein said clinical symptoms are selected from the group consisting of paresthesia, wasting syndrome, intestinal colic, diarrhea and polyadenopathy.

2. The method of claim 1 wherein said plant material is administered daily.

- 3. The method of claim 2 wherein said daily administration comprises about 9 g to 50 g of said dried, particulate plant material.
- 4. The method of claim 2 wherein said HIV patients are not treated with any other antiretrovirals or protease inhibitors.
- 5. The method of claim 1 wherein said AIDS patients are in the advanced stage of the disease.
- 6. The method of claim 2, wherein said daily administration comprises about 9 g to 13 g of said dried, particulate plant material.
- 7. The method of claim 1 wherein heating is effected at  $^{15}$  80- $^{110}$ ° C.